

PATENT COOPERATION TREA

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
 US Department of Commerce
 United States Patent and Trademark
 Office, PCT
 2011 South Clark Place Room
 CP2/5C24
 Arlington, VA 22202
 ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 12 February 2001 (12.02.01)	
International application No. PCT/IB00/00955	Applicant's or agent's file reference PDC/AB/21504
International filing date (day/month/year) 03 July 2000 (03.07.00)	Priority date (day/month/year) 05 July 1999 (05.07.99)
Applicant FICHET, Laurent et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

04 January 2001 (04.01.01)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer S. Mafla Telephone No.: (41-22) 338.83.38
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PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PDC/AB/21504	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 00/ 00955	International filing date (day/month/year) 03/07/2000	(Earliest) Priority Date (day/month/year) 05/07/1999
Applicant CANAL+ SOCIETE ANONYME et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING MESSAGES, IN PARTICULAR IN BROADCAST TRANSMISSIONS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

6

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 00/00955

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04H1/00 H04N7/167

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 461 436 A (BOSCH GMBH ROBERT) 18 December 1991 (1991-12-18) the whole document ---	1, 13, 22, 35, 44, 54-58
A	FR 2 672 756 A (TELEDIFFUSION FSE) 14 August 1992 (1992-08-14) page 1, line 1 -page 3, line 10; claim 1; figure 1 ---	1, 13, 22, 35, 44, 54-58
A	GB 2 311 442 A (MALING REGINALD GEORGE) 24 September 1997 (1997-09-24) page 1, line 1 -page 4, line 25; claims 1, 2; figure 1 --- -/--	1, 13, 22, 35, 44, 54-58



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

11 June 2001

Date of mailing of the international search report

19/06/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

De Haan, A.J.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 00/00955

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 08341 A (TELEDIFFUSION FSE ;VIGARIE JEAN PIERRE (FR); FRANCE TELECOM (FR)) 26 February 1998 (1998-02-26) page 1, line 1 -page 3, line 5; claim 1 ---	1,13,22, 35,44, 54-58
A	EP 0 817 485 A (THOMSON MULTIMEDIA SA) 7 January 1998 (1998-01-07) column 1, line 1 -column 3, line 28; claim 1; figures 1A,1B ---	1,13,22, 35,44, 54-58
A	EP 0 866 613 A (CANAL PLUS SA) 23 September 1998 (1998-09-23) column 1, line 1 -column 3, line 21; claim 1 -----	1,13,22, 35,44, 54-58

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 00/00955

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0461436	A	18-12-1991	DE 4018951 A	19-12-1991
			DE 59108948 D	16-04-1998
			DK 461436 T	07-12-1998
FR 2672756	A	14-08-1992	NONE	
GB 2311442	A	24-09-1997	NONE	
WO 9808341	A	26-02-1998	FR 2752655 A	27-02-1998
			EP 0920777 A	09-06-1999
			NO 990738 A	19-04-1999
EP 0817485	A	07-01-1998	FR 2750554 A	02-01-1998
			CN 1171015 A	21-01-1998
			JP 10164052 A	19-06-1998
			US 6035038 A	07-03-2000
EP 0866613	A	23-09-1998	WO 9843430 A	01-10-1998
			CN 1255266 T	31-05-2000
			WO 9843428 A	01-10-1998
			HU 0002916 A	28-12-2000
			NO 994531 A	19-11-1999
			PL 335767 A	22-05-2000
			TR 9902262 T	21-01-2000
			AU 2770697 A	20-10-1998
			AU 7038198 A	20-10-1998
			BR 9714603 A	16-05-2000
			BR 9808283 A	16-05-2000
			BR 9808288 A	16-05-2000
			CN 1254472 A	24-05-2000
			CN 1260056 A	12-07-2000
			CN 1254477 A	24-05-2000
			CN 1254478 A	24-05-2000
			CN 1254469 A	24-05-2000
			CN 1254423 A	24-05-2000
			CN 1262754 A	09-08-2000
			CN 1254473 A	24-05-2000
			CN 1254422 A	24-05-2000
			CN 1254475 A	24-05-2000
			CN 1254476 A	24-05-2000
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			CN 1255268 T	31-05-2000
			CN 1257630 T	21-06-2000
			WO 9843425 A	01-10-1998
			WO 9843426 A	01-10-1998
			WO 9843162 A	01-10-1998
			WO 9843431 A	01-10-1998
			WO 9843248 A	01-10-1998
			WO 9843165 A	01-10-1998
			WO 9843415 A	01-10-1998
			WO 9843172 A	01-10-1998
			WO 9843433 A	01-10-1998
			WO 9843427 A	01-10-1998
			WO 9843437 A	01-10-1998
			WO 9843167 A	01-10-1998
			WO 9843421 A	01-10-1998
			EP 0872798 A	21-10-1998

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 00/00955

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0866613 A		EP 0866611 A	23-09-1998
		EP 0866616 A	23-09-1998
		EP 1055176 A	29-11-2000
		EP 0968610 A	05-01-2000
		EP 0968609 A	05-01-2000
		EP 0968607 A	05-01-2000
		EP 0974229 A	26-01-2000
		EP 0974230 A	26-01-2000
		EP 0968468 A	05-01-2000
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(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



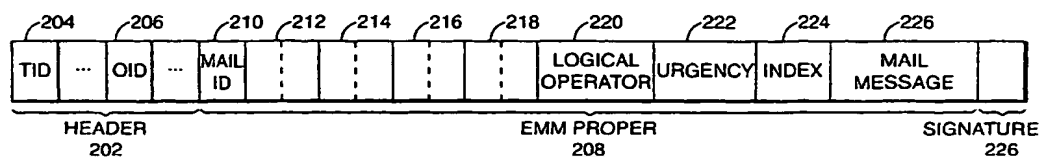
(43) International Publication Date
11 January 2001 (11.01.2001)

PCT

(10) International Publication Number
WO 01/03341 A3

- (51) International Patent Classification⁷: **H04H 1/00**, H04N 7/167
- (21) International Application Number: PCT/IB00/00955
- (22) International Filing Date: 3 July 2000 (03.07.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
99401680.6 5 July 1999 (05.07.1999) EP
99401958.6 30 July 1999 (30.07.1999) EP
- (71) Applicant (for all designated States except US): CANAL+ SOCIETE ANONYME [FR/FR]; 85/89, quai André Citroën, F-75711 Paris Cedex 15 (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FICHET, Laurent [FR/FR]; 13, rue Léon Bobin, F-78320 Le Mesnil Saint Denis (FR). LEPINE, Thierry [FR/FR]; Canal+ Technologies Société Anonyme, 34 Place Raoul Dautry, F-75516 Paris Cedex 15 (FR).
- (74) Agents: COZENS, Paul, Dennis et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
27 December 2001
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING MESSAGES, IN PARTICULAR IN BROADCAST TRANSMISSIONS



(57) Abstract: The present invention provides a method of broadcasting a message having a text portion to be communicated to a user, the method comprising broadcasting the message in the form of an entitlement management message for reception by the user.

WO 01/03341 A3

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 00/00955

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04H1/00 H04N7/167

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	FR 2 672 756 A (TELEDIFFUSION FSE) 14 August 1992 (1992-08-14) page 1, line 1 -page 3, line 10; claim 1; figure 1	1, 13, 22, 35, 44, 54-58
A	GB 2 311 442 A (MALING REGINALD GEORGE) 24 September 1997 (1997-09-24) page 1, line 1 -page 4, line 25; claims 1, 2; figure 1	1, 13, 22, 35, 44, 54-58
	--- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

11 June 2001

Date of mailing of the international search report

19/06/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

De Haan, A.J.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 00/00955

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 08341 A (TELEDIFFUSION FSE ;VIGARIE JEAN PIERRE (FR); FRANCE TELECOM (FR)) 26 February 1998 (1998-02-26) page 1, line 1 -page 3, line 5; claim 1 ---	1,13,22, 35,44, 54-58
A	EP 0 817 485 A (THOMSON MULTIMEDIA SA) 7 January 1998 (1998-01-07) column 1, line 1 -column 3, line 28; claim 1; figures 1A,1B ---	1,13,22, 35,44, 54-58
A	EP 0 866 613 A (CANAL PLUS SA) 23 September 1998 (1998-09-23) column 1, line 1 -column 3, line 21; claim 1 -----	1,13,22, 35,44, 54-58

1. Information on patent family members

PCT/IB 00/00955

Form PCT/ISA/210 (patent family annex) (July 1992)

INTERNATIONAL SEARCH REPORT

I. Information on patent family members

International Application No

PCT/IB 00/00955

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0866613 A		EP 0866611 A	23-09-1998
		EP 0866616 A	23-09-1998
		EP 1055176 A	29-11-2000
		EP 0968610 A	05-01-2000
		EP 0968609 A	05-01-2000
		EP 0968607 A	05-01-2000
		EP 0974229 A	26-01-2000
		EP 0974230 A	26-01-2000
		EP 0968468 A	05-01-2000

REC'D. 12 SEP 2001

WIPO

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PDC/AB/21504	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/IB00/00955	International filing date (day/month/year) 03/07/2000	Priority date (day/month/year) 05/07/1999
International Patent Classification (IPC) or national classification and IPC H04H1/00		
Applicant CANAL+ SOCIETE ANONYME et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 8 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 04/01/2001	Date of completion of this report 10.09.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Willems, B Telephone No. +49 89 2399 8954 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/IB00/00955

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-21 as originally filed

Claims, No.:

1-58 as originally filed

Drawings, sheets:

1/5-5/5 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/IB00/00955

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 54 - 58.

because:

☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):

☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):
see separate sheet

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the said claims Nos. .

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the standard.

☐ the computer readable form has not been furnished or does not comply with the standard.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims 1 - 53

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/IB00/00955

	No:	Claims	
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1 - 53
Industrial applicability (IA)	Yes:	Claims	1 - 53
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The subject-matter of claims 54 to 58 is defined by reference to the description. Therefore, it is not possible to determine the subject-matter of said claims to such an extent as to allow an examination with respect to Article 33 PCT.

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Cited documents:

D1 = EP-A-0 256 596

D2 = EP-A-0 463 451

Documents D1 and D2 were not cited in the international search report. A copy of the documents is appended hereto.

2. The subject-matter of claim 1 lacks an inventive step with respect to the disclosure of document D1. Therefore, claim 1 does not meet the requirements of Article 33(3) PCT.

Document D1 discloses a method of broadcasting entitlement management messages to a user. The entitlement management message comprises a supplementary key together with customer messages (column 5, lines 48 to 50).

Document D1 does not disclose that the customer messages have a text portion. However, in view of the presence of unused bits in the EMM's (see figure 2), the skilled person would inevitably try to use these bits for the transmission of text

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/IB00/00955

data.

Thus, the subject-matter of claim 1 is rendered obvious by the disclosure of document D1.

3. The subject-matter of claims 2 to 12 lacks an inventive step with respect to the disclosures of documents D1 and D2. Therefore, claims 2 to 21 do not meet the requirements of Article 33(3) PCT.

The addressing specified in claims 2 to 7 is rendered obvious by the disclosure of document D2, column 4, line 38 to column 6, line 3.

Claims 8 and 10 further specifies an obvious detail of a method for broadcasting messages.

The additional features of claims 9 and 12 are known from document D2, column 9, line 5 to column 11, line 12.

The additional feature of claim 11 is known from document D1.

4. The subject-matter of claim 13 lacks an inventive step with respect to the disclosure of document D1. Therefore, claims 13 does not meet the requirements of Article 33(3) PCT.

Claim 13 specifies a method for receiving a message broadcasted in accordance with claim 1. Therefore, claim 13 is objected to for the reasons set out with respect to claim 1.

5. The subject-matter of claims 14 to 21 lacks an inventive step with respect to the disclosure of document D1 and D2. Therefore, claims 14 to 21 do not meet the requirements of Article 33(3) PCT.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/IB00/00955

The addressing defined in claims 14 to 17 is rendered obvious by the disclosure of document D2.

The additional feature of claim 18 is known from document D2, column 8, lines 26 to 32.

The additional features of claims 19 to 21 are known from document D1, column 7, line 48 to column 11, line 12.

6. The subject-matter of claims 22 to 43 lacks an inventive step with respect to the cited prior art. Therefore, claims 22 to 43 do not meet the requirements of Article 33(3) PCT.

Claims 22 to 43 specify an apparatus comprising features corresponding to the method steps of claims 1 to 21. Therefore, claims 22 to 43 are objected to for the reasons set out above.

7. The subject-matter of claims 44 to 53 lacks an inventive step with respect to the cited prior art. Therefore, claims 44 to 53 do not meet the requirements of Article 33(3) PCT.

Claims 44 to 53 specify the message processed according to claims 1 to 43. Therefore, claims 44 to 53 are objected to for the reasons set out above.

Re Item VII

Certain defects in the international application

The vague and imprecise statement in the description on page 21 implies that the subject-matter for which protection is sought may be different to that defined by the claims, thereby resulting in lack of clarity (Article 6 PCT) when used to interpret them (see also the PCT Guidelines, III-4.3a).

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/IB00/00955

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.

Re Item VIII

Certain observations on the international application

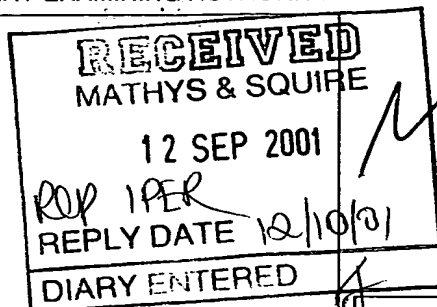
Claims 54 - 58 contain references to the description. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here.

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

COZENS, P.
MATHYS & SQUIRE
100 Gray's Inn Road
London WC1X 8AL
GRANDE BRETAGNE



PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 71.1)

Date of mailing
(day/month/year) 10.09.2001

Applicant's or agent's file reference
PDC/AB/21504

IMPORTANT NOTIFICATION

International application No.
PCT/IB00/00955

International filing date (day/month/year)
03/07/2000

Priority date (day/month/year)
05/07/1999

Applicant
CANAL+ SOCIETE ANONYME et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized officer

Cornudet-Henschel, V



Tel. +49 89 2399-7371



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PDC/AB/21504	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/IB00/00955	International filing date (day/month/year) 03/07/2000	Priority date (day/month/year) 05/07/1999
International Patent Classification (IPC) or national classification and IPC H04H1/00		
Applicant CANAL+ SOCIETE ANONYME et al.		
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 8 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p>		
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none">I <input checked="" type="checkbox"/> Basis of the reportII <input type="checkbox"/> PriorityIII <input checked="" type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicabilityIV <input type="checkbox"/> Lack of unity of inventionV <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statementVI <input type="checkbox"/> Certain documents citedVII <input checked="" type="checkbox"/> Certain defects in the international applicationVIII <input checked="" type="checkbox"/> Certain observations on the international application		
Date of submission of the demand 04/01/2001	Date of completion of this report 10.09.2001	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Willems, B Telephone No. +49 89 2399 8954 	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/IB00/00955

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):
Description, pages:

1-21 as originally filed

Claims, No.:

1-58 as originally filed

Drawings, sheets:

1/5-5/5 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/IB00/00955

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 54 - 58.

because:

☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):

☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):
see separate sheet

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the said claims Nos. .

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the standard.

☐ the computer readable form has not been furnished or does not comply with the standard.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims 1 - 53

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/IB00/00955

	No:	Claims	
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1 - 53
Industrial applicability (IA)	Yes:	Claims	1 - 53
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The subject-matter of claims 54 to 58 is defined by reference to the description. Therefore, it is not possible to determine the subject-matter of said claims to such an extent as to allow an examination with respect to Article 33 PCT.

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Cited documents:

D1 = EP-A-0 256 596

D2 = EP-A-0 463 451

Documents D1 and D2 were not cited in the international search report. A copy of the documents is appended hereto.

2. The subject-matter of claim 1 lacks an inventive step with respect to the disclosure of document D1. Therefore, claim 1 does not meet the requirements of Article 33(3) PCT.

Document D1 discloses a method of broadcasting entitlement management messages to a user. The entitlement management message comprises a supplementary key together with customer messages (column 5, lines 48 to 50).

Document D1 does not disclose that the customer messages have a text portion. However, in view of the presence of unused bits in the EMM's (see figure 2), the skilled person would inevitably try to use these bits for the transmission of text

data.

Thus, the subject-matter of claim 1 is rendered obvious by the disclosure of document D1.

3. The subject-matter of claims 2 to 12 lacks an inventive step with respect to the disclosures of documents D1 and D2. Therefore, claims 2 to 21 do not meet the requirements of Article 33(3) PCT.

The addressing specified in claims 2 to 7 is rendered obvious by the disclosure of document D2, column 4, line 38 to column 6, line 3.

Claims 8 and 10 further specifies an obvious detail of a method for broadcasting messages.

The additional features of claims 9 and 12 are known from document D2, column 9, line 5 to column 11, line 12.

The additional feature of claim 11 is known from document D1.

4. The subject-matter of claim 13 lacks an inventive step with respect to the disclosure of document D1. Therefore, claims 13 does not meet the requirements of Article 33(3) PCT.

Claim 13 specifies a method for receiving a message broadcasted in accordance with claim 1. Therefore, claim 13 is objected to for the reasons set out with respect to claim 1.

5. The subject-matter of claims 14 to 21 lacks an inventive step with respect to the disclosure of document D1 and D2. Therefore, claims 14 to 21 do not meet the requirements of Article 33(3) PCT.

The addressing defined in claims 14 to 17 is rendered obvious by the disclosure of document D2.

The additional feature of claim 18 is known from document D2, column 8, lines 26 to 32.

The additional features of claims 19 to 21 are known from document D1, column 7, line 48 to column 11, line 12.

6. The subject-matter of claims 22 to 43 lacks an inventive step with respect to the cited prior art. Therefore, claims 22 to 43 do not meet the requirements of Article 33(3) PCT.

Claims 22 to 43 specify an apparatus comprising features corresponding to the method steps of claims 1 to 21. Therefore, claims 22 to 43 are objected to for the reasons set out above.

7. The subject-matter of claims 44 to 53 lacks an inventive step with respect to the cited prior art. Therefore, claims 44 to 53 do not meet the requirements of Article 33(3) PCT.

Claims 44 to 53 specify the message processed according to claims 1 to 43. Therefore, claims 44 to 53 are objected to for the reasons set out above.

Re Item VII

Certain defects in the international application

The vague and imprecise statement in the description on page 21 implies that the subject-matter for which protection is sought may be different to that defined by the claims, thereby resulting in lack of clarity (Article 6 PCT) when used to interpret them (see also the PCT Guidelines, III-4.3a).

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/IB00/00955

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.

Re Item VIII

Certain observations on the international application

Claims 54 - 58 contain references to the description. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

To:

MATHYS & SQUIRE
Attn. COZENS, P.
100 Gray's Inn Road
London WC1X 8AL
UNITED KINGDOM

Date of mailing
(day/month/year)

19/06/2001

Applicant's or agent's file reference

PDC/AB/21504

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International application No.

PCT/IB 00/00955

International filing date
(day/month/year)

03/07/2000

Applicant

CANAL+ SOCIETE ANONYME et al.

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Fascimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Carole Emery

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PDC/AB/21504	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 00/ 00955	International filing date (day/month/year) 03/07/2000	(Earliest) Priority Date (day/month/year) 05/07/1999
Applicant CANAL+ SOCIETE ANONYME et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING MESSAGES, IN PARTICULAR IN BROADCAST TRANSMISSIONS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

6

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

IB 00/00955

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04H1/00 H04N7/167

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 461 436 A (BOSCH GMBH ROBERT) 18 December 1991 (1991-12-18) the whole document	1, 13, 22, 35, 44, 54-58
A	FR 2 672 756 A (TELEDIFFUSION FSE) 14 August 1992 (1992-08-14) page 1, line 1 -page 3, line 10; claim 1; figure 1	1, 13, 22, 35, 44, 54-58
A	GB 2 311 442 A (MALING REGINALD GEORGE) 24 September 1997 (1997-09-24) page 1, line 1 -page 4, line 25; claims 1, 2; figure 1	1, 13, 22, 35, 44, 54-58

	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

11 June 2001

Date of mailing of the international search report

19/06/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

De Haan, A.J.

INTERNATIONAL SEARCH REPORT

International Application No

IB 00/00955

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 08341 A (TELEDIFFUSION FSE ;VIGARIE JEAN PIERRE (FR); FRANCE TELECOM (FR)) 26 February 1998 (1998-02-26) page 1, line 1 -page 3, line 5; claim 1 ---	1,13,22, 35,44, 54-58
A	EP 0 817 485 A (THOMSON MULTIMEDIA SA) 7 January 1998 (1998-01-07) column 1, line 1 -column 3, line 28; claim 1; figures 1A,1B ---	1,13,22, 35,44, 54-58
A	EP 0 866 613 A (CANAL PLUS SA) 23 September 1998 (1998-09-23) column 1, line 1 -column 3, line 21; claim 1 -----	1,13,22, 35,44, 54-58

Intervention on patent family members

IB 00/00955

Form PCT/ISA/210 (patent family annex) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

IB 00/00955

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0866613 A		EP 0866611 A	23-09-1998
		EP 0866616 A	23-09-1998
		EP 1055176 A	29-11-2000
		EP 0968610 A	05-01-2000
		EP 0968609 A	05-01-2000
		EP 0968607 A	05-01-2000
		EP 0974229 A	26-01-2000
		EP 0974230 A	26-01-2000
		EP 0968468 A	05-01-2000
